

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018037.D
 Acq On : 22 Jul 2015 1:20
 Operator : TP/UM
 Sample : G3031-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-1(3-5)

Quant Time: Jul 22 05:00:03 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 04:14:54 2015
 Response via : Initial Calibration

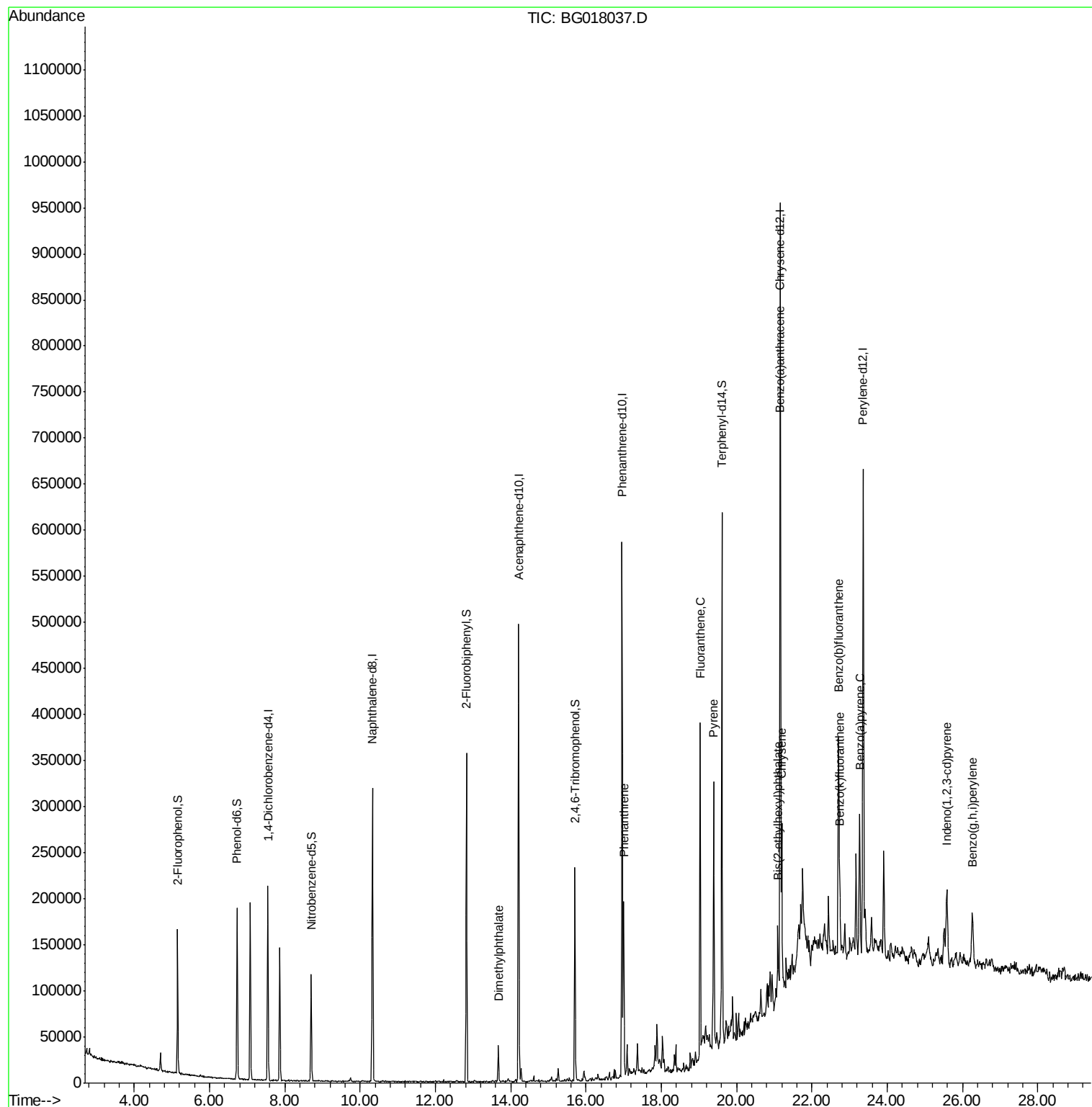
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	58635	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	276217	20.00	ng	0.00
38) Acenaphthene-d10	14.21	164	167388	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	335371	20.00	ng	0.00
75) Chrysene-d12	21.17	240	356756	20.00	ng	0.00
86) Perylene-d12	23.36	264	363427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	73788	21.95	ng	0.00
7) Phenol-d6	6.73	99	109057	24.77	ng	0.00
23) Nitrobenzene-d5	8.70	82	64093	15.03	ng	0.00
41) 2,4,6-Tribromophenol	15.71	330	43625	25.72	ng	0.00
44) 2-Fluorobiphenyl	12.82	172	179236	18.56	ng	0.00
78) Terphenyl-d14	19.61	244	239063	16.88	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.68	163	26730	2.30	ng	99
70) Phenanthrene	17.01	178	114394	6.61	ng	97
74) Fluoranthene	19.03	202	208305	11.00	ng	95
77) Pyrene	19.40	202	171167	8.60	ng	94
80) Benzo(a)anthracene	21.15	228	100086	5.31	ng	95
82) Chrysene	21.20	228	94921	5.29	ng	95
83) Bis(2-ethylhexyl)phthalate	21.10	149	30368	2.47	ng	97
85) Indeno(1,2,3-cd)pyrene	25.58	276	75144	3.46	ng	# 89
87) Benzo(b)fluoranthene	22.71	252	153950m	7.74	ng	
88) Benzo(k)fluoranthene	22.75	252	43762m	2.20	ng	
89) Benzo(a)pyrene	23.26	252	99297	5.36	ng	97
91) Benzo(g,h,i)perylene	26.26	276	71177	3.84	ng	95

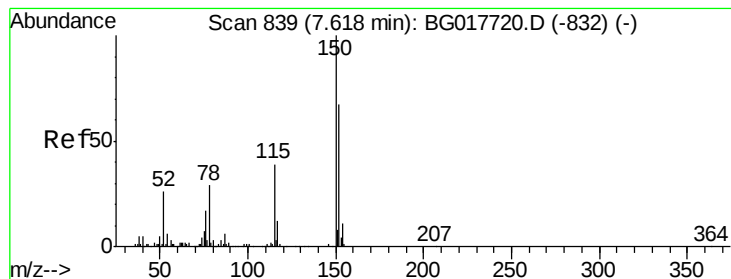
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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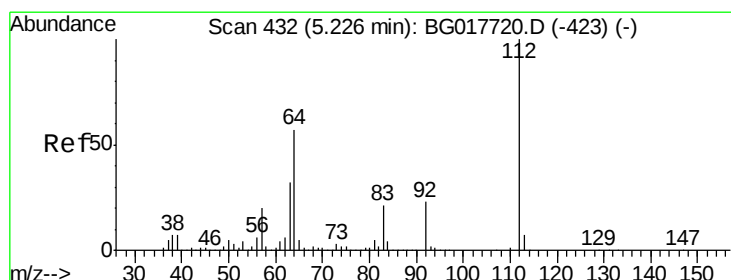
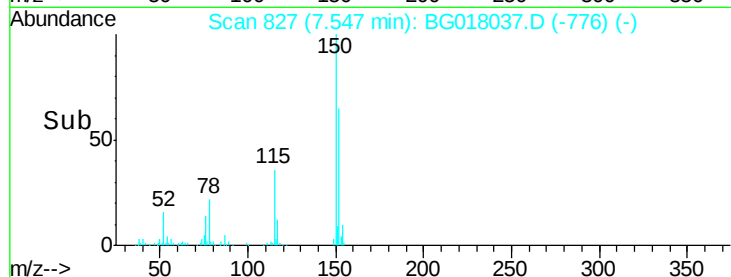
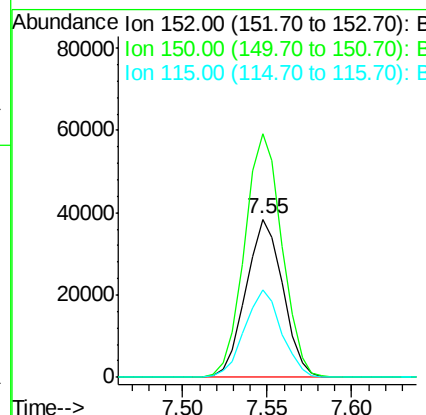
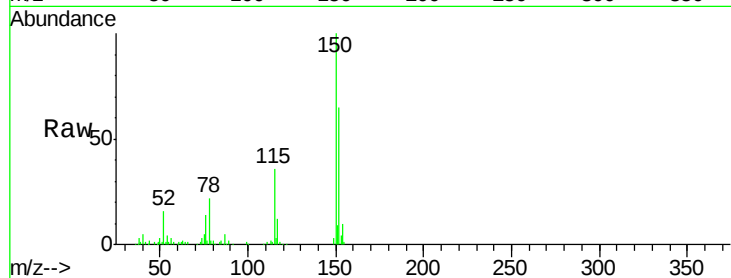


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 827
Delta R.T. 0.00 min
Lab File: BG018037.D
Acq: 22 Jul 2015 1:20

Instrument :
BNA_G
ClientSampleId :
SB-1(3-5)

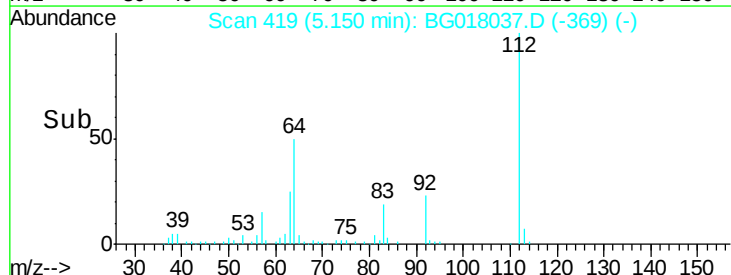
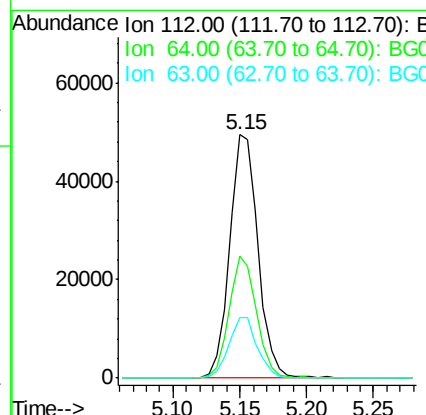
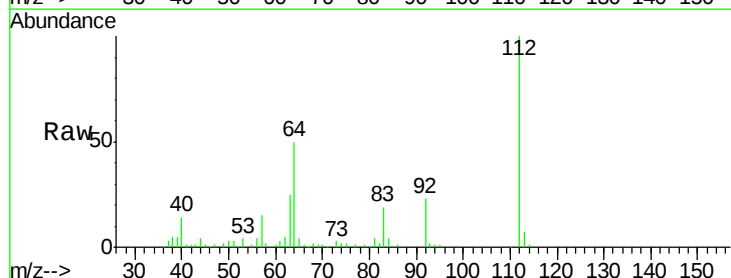
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.8	119.1	178.7
115	55.1	47.0	70.4

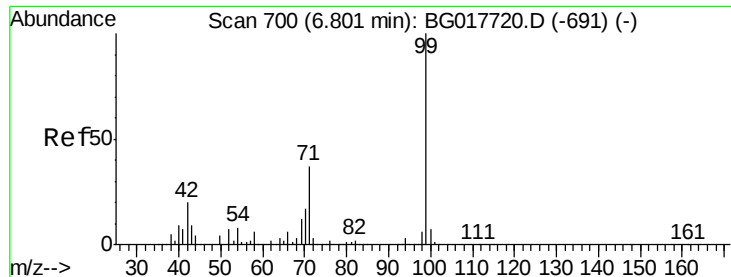


#5

2-Fluorophenol
Concen: 21.95 ng
RT: 5.15 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG018037.D
Acq: 22 Jul 2015 1:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.9	45.4	68.0
63	24.9	25.3	37.9#





#7

Phenol-d6

Concen: 24.77 ng

RT: 6.73 min Scan# 688

Delta R.T. -0.01 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

Instrument :

BNA_G

ClientSampleId :

SB-1(3-5)

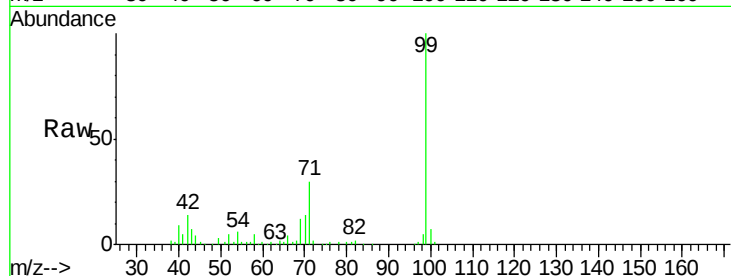
Tgt Ion: 99 Resp: 109057

Ion Ratio Lower Upper

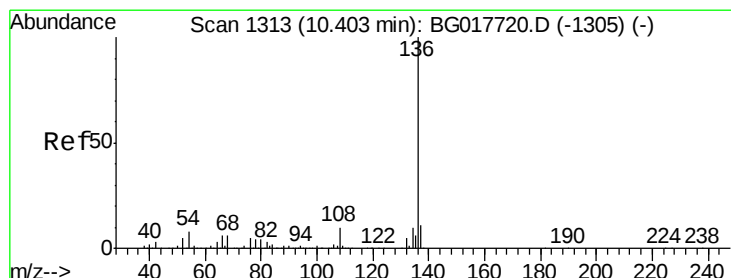
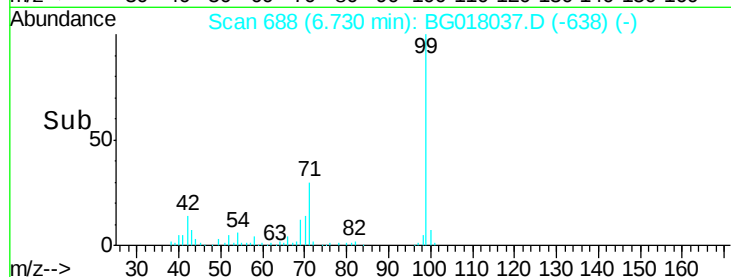
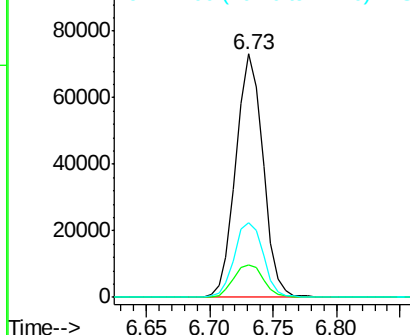
99 100

42 13.6 16.2 24.4#

71 30.5 29.5 44.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.33 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

Tgt Ion: 136 Resp: 276217

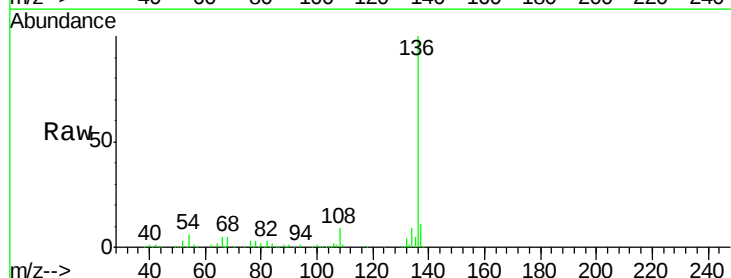
Ion Ratio Lower Upper

136 100

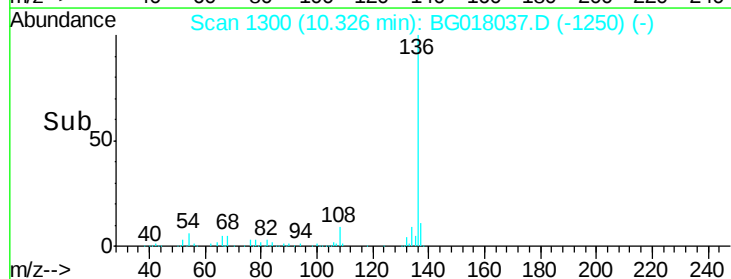
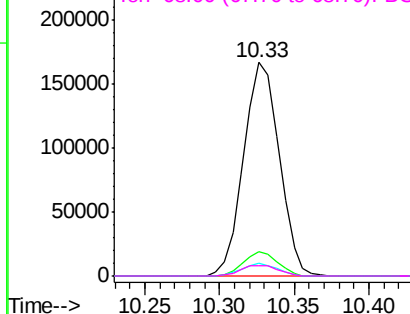
137 11.4 8.8 13.2

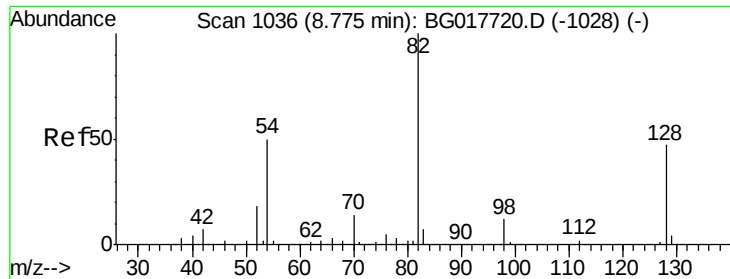
54 5.8 6.6 9.8#

68 4.7 5.1 7.7#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

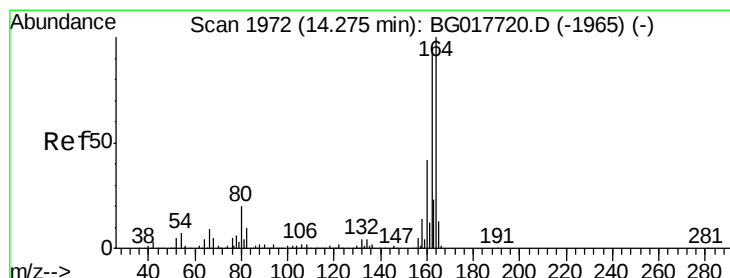
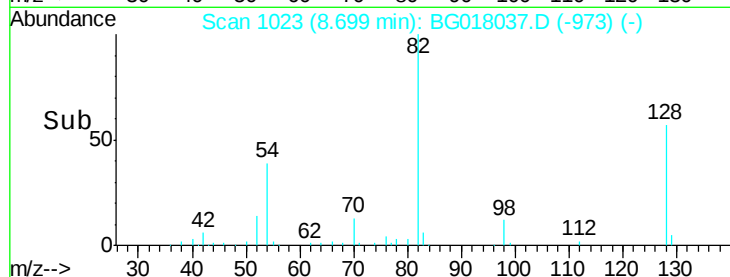
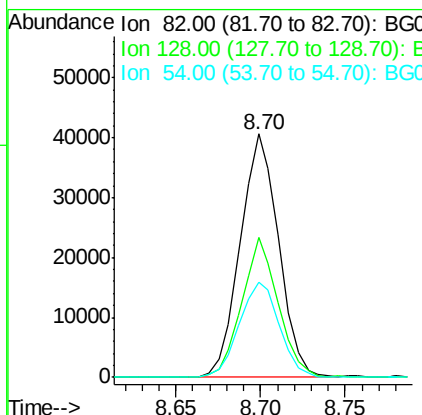
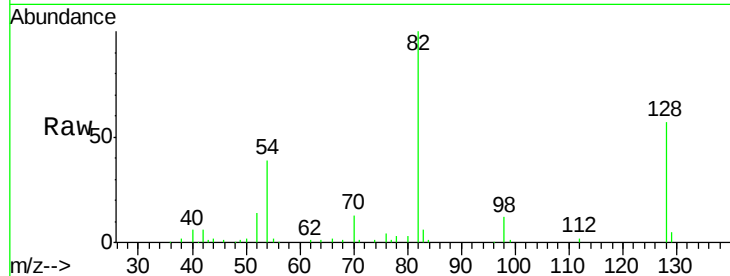




#23
Nitrobenzene-d5
Concen: 15.03 ng
RT: 8.70 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BG018037.D
Acq: 22 Jul 2015 1:20

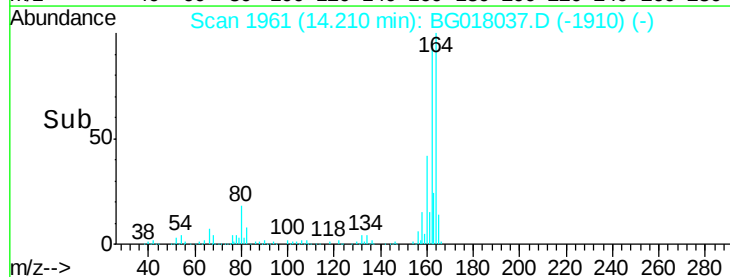
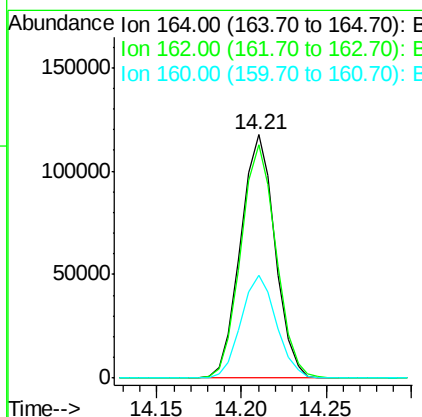
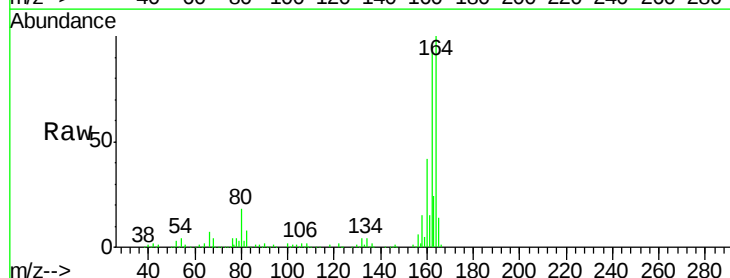
Instrument :
BNA_G
ClientSampleId :
SB-1(3-5)

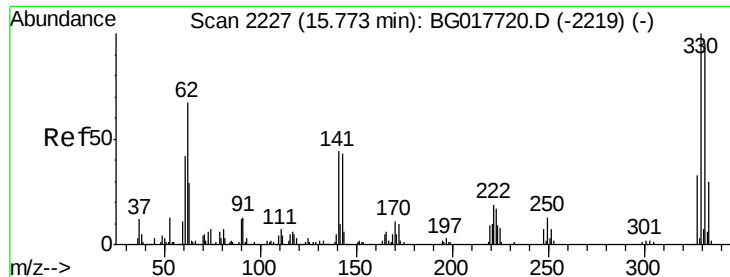
Tgt Ion	Ratio	Lower	Upper
82	100		
128	57.4	37.8	56.6#
54	39.1	39.9	59.9#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.21 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BG018037.D
Acq: 22 Jul 2015 1:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.1	76.3	114.5
160	42.4	33.7	50.5

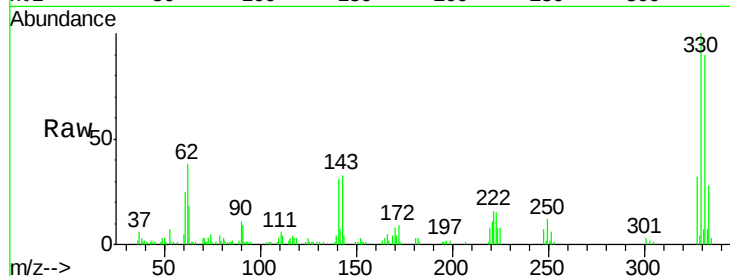




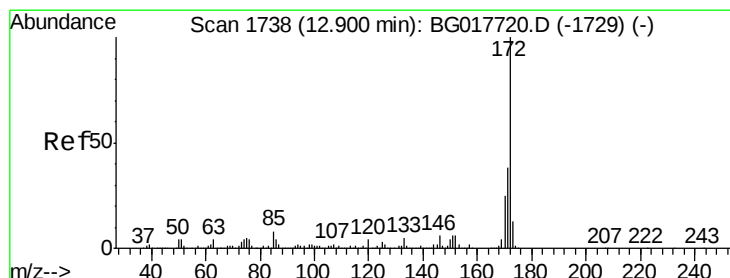
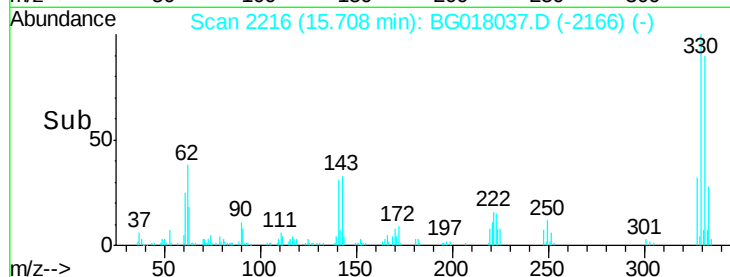
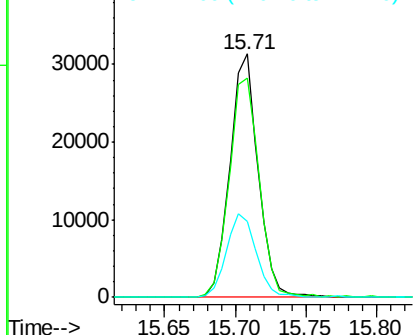
#41
 2,4,6-Tribromophenol
 Concen: 25.72 ng
 RT: 15.71 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG018037.D
 Acq: 22 Jul 2015 1:20

Instrument :
 BNA_G
 ClientSampleId :
 SB-1(3-5)

Tgt Ion: 330 Resp: 43625
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.8 115.2
 141 36.0 38.0 57.0#

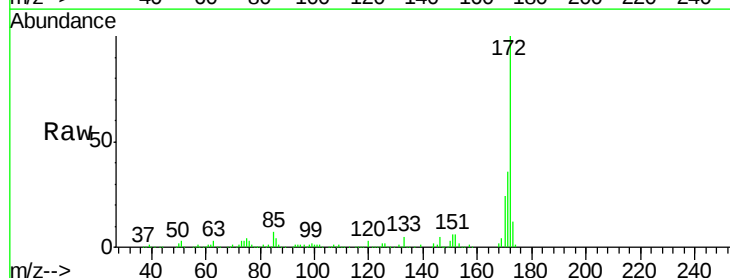


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

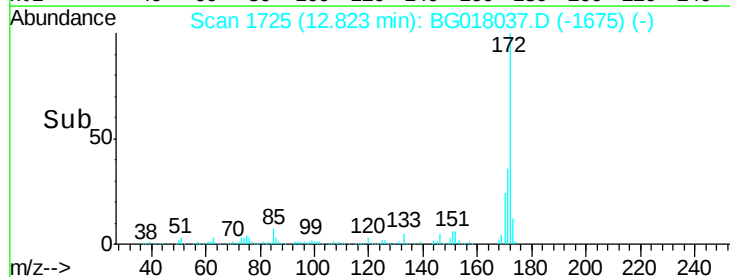
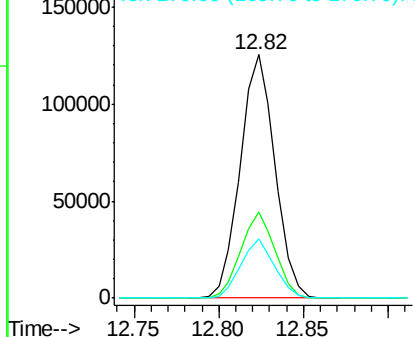


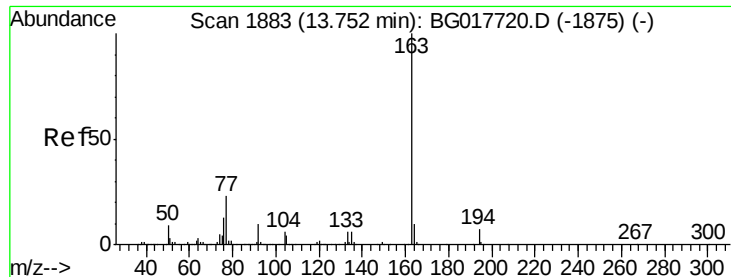
#44
 2-Fluorobiphenyl
 Concen: 18.56 ng
 RT: 12.82 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: BG018037.D
 Acq: 22 Jul 2015 1:20

Tgt Ion: 172 Resp: 179236
 Ion Ratio Lower Upper
 172 100
 171 35.6 30.7 46.1
 170 24.3 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.30 ng

RT: 13.68 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

Instrument :

BNA_G

ClientSampleId :

SB-1(3-5)

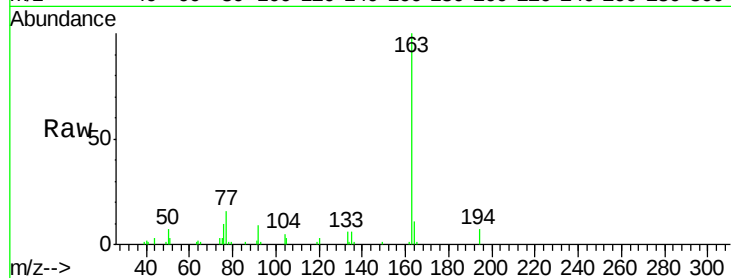
Tgt Ion:163 Resp: 26730

Ion Ratio Lower Upper

163 100

194 7.2 5.8 8.6

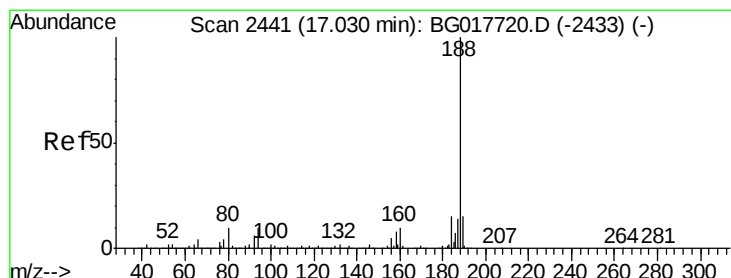
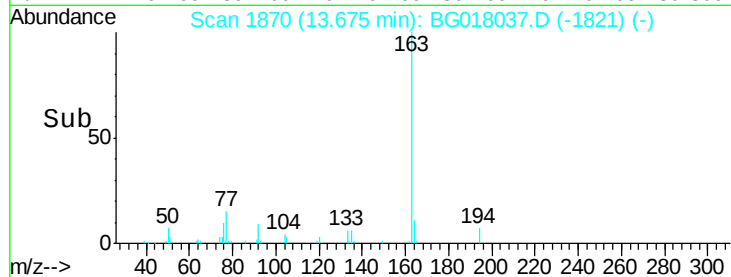
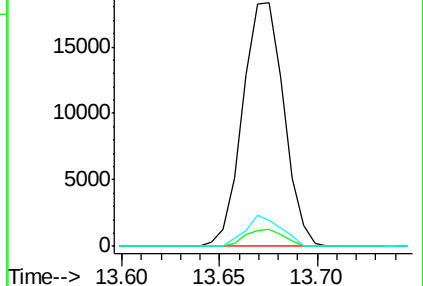
164 10.8 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.96 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

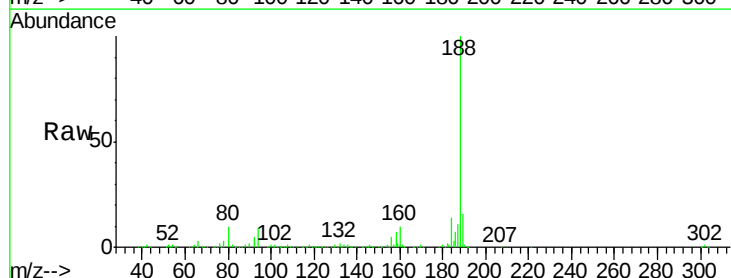
Tgt Ion:188 Resp: 335371

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

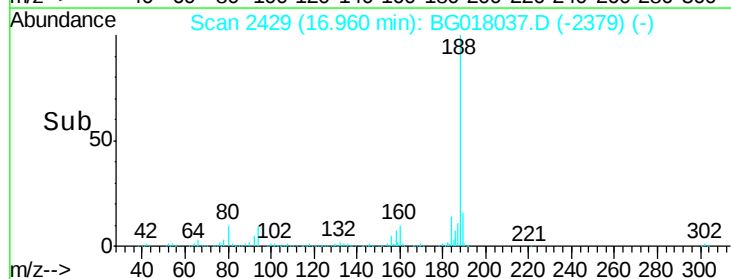
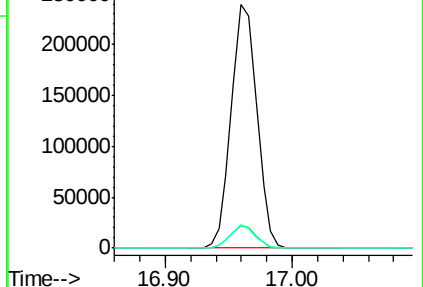
80 9.6 8.2 12.4

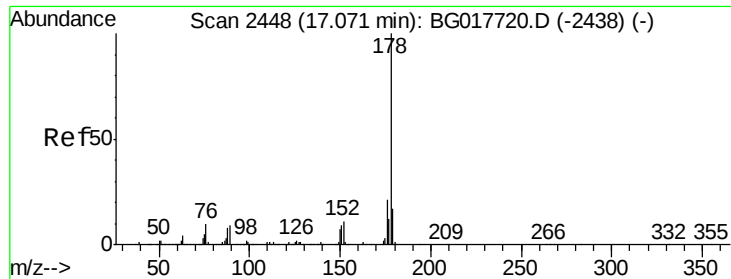


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 6.61 ng

RT: 17.01 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

Instrument :

BNA_G

ClientSampleId :

SB-1(3-5)

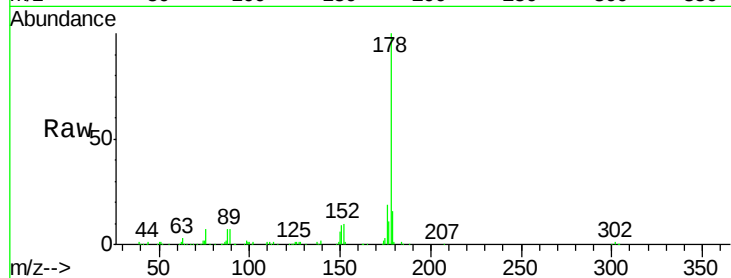
Tgt Ion:178 Resp: 114394

Ion Ratio Lower Upper

178 100

176 19.4 16.5 24.7

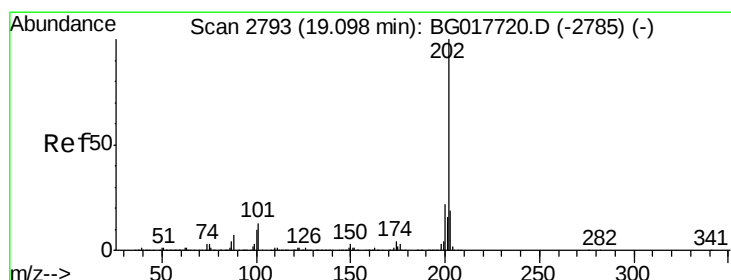
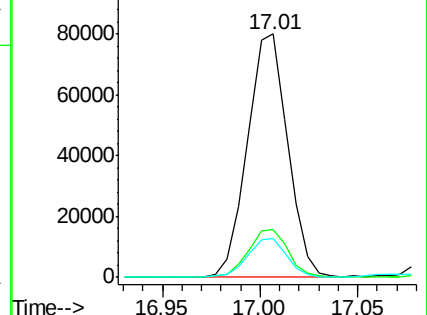
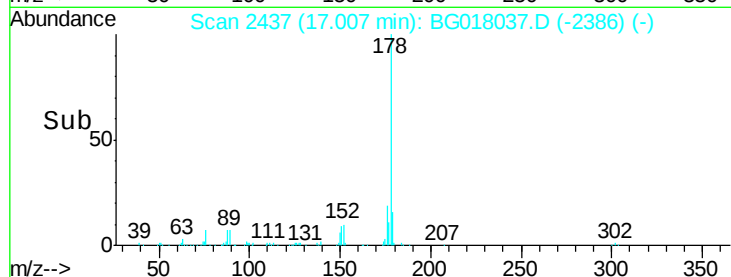
179 15.7 13.5 20.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 11.00 ng

RT: 19.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

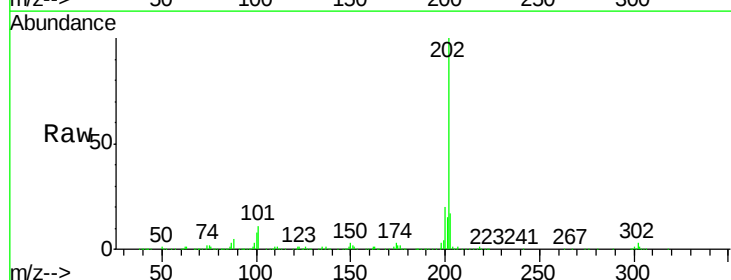
Tgt Ion:202 Resp: 208305

Ion Ratio Lower Upper

202 100

101 11.5 0.0 33.3

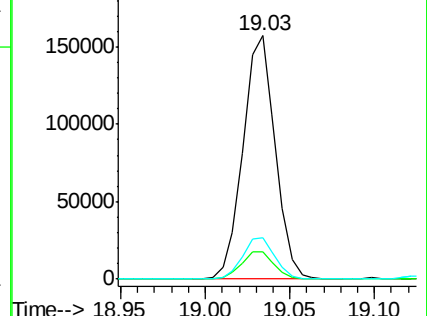
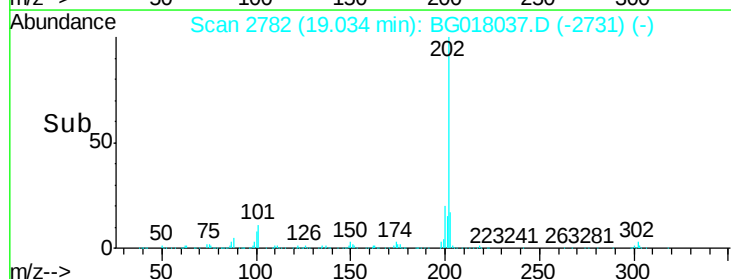
203 17.1 0.0 39.5

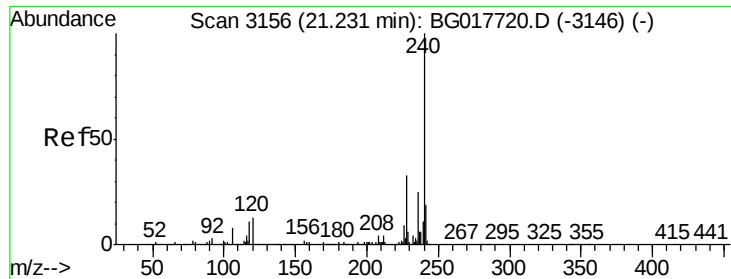


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.17 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

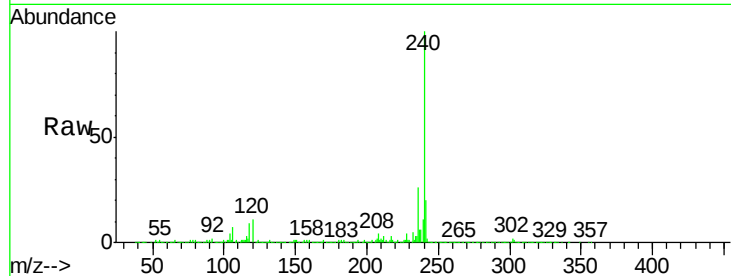
Instrument :

BNA_G

ClientSampleId :

SB-1(3-5)

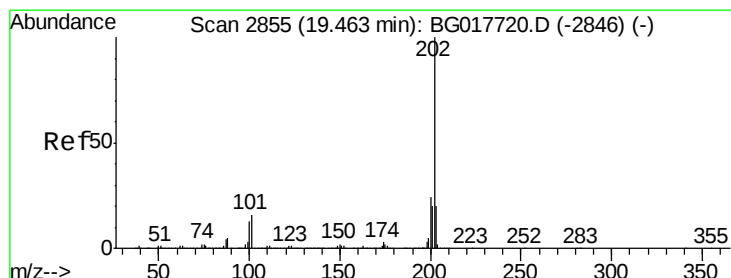
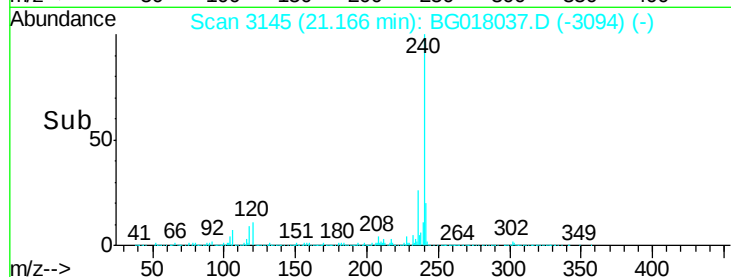
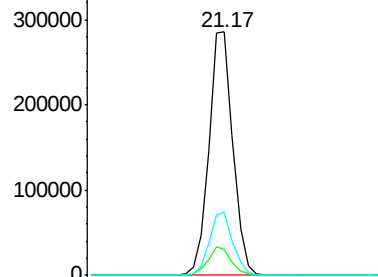
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.8	16.2#
236	26.2	20.0	30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.60 ng

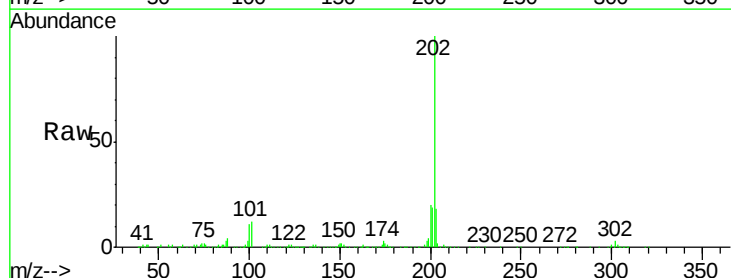
RT: 19.40 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

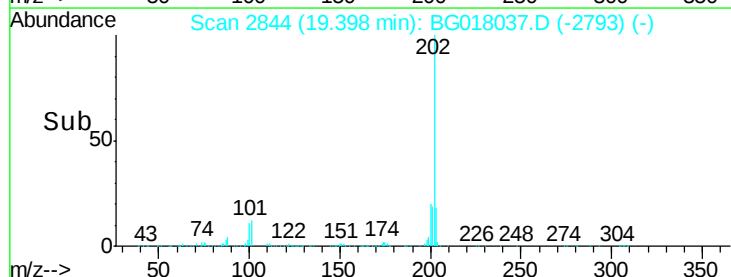
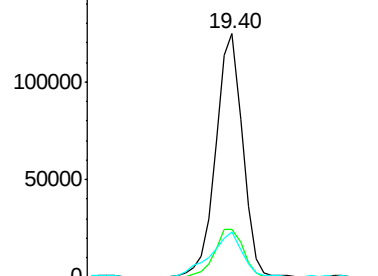
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	18.8	28.2
203	18.4	15.9	23.9

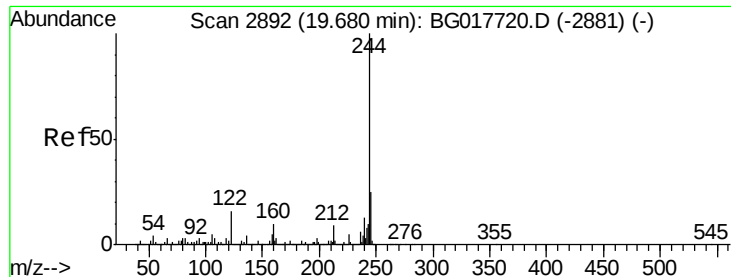


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.88 ng

RT: 19.61 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

Instrument :

BNA_G

ClientSampleId :

SB-1(3-5)

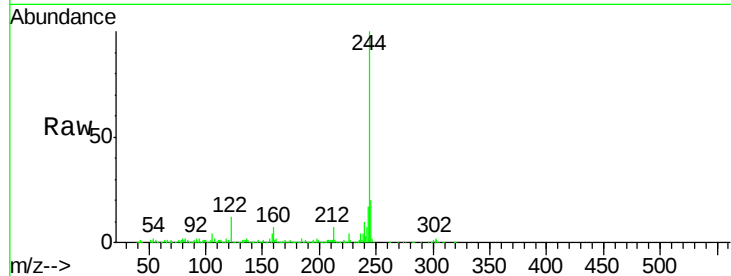
Tgt Ion:244 Resp: 239063

Ion Ratio Lower Upper

244 100

212 6.9 7.2 10.8#

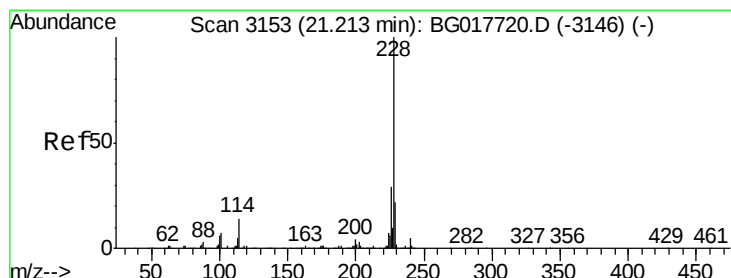
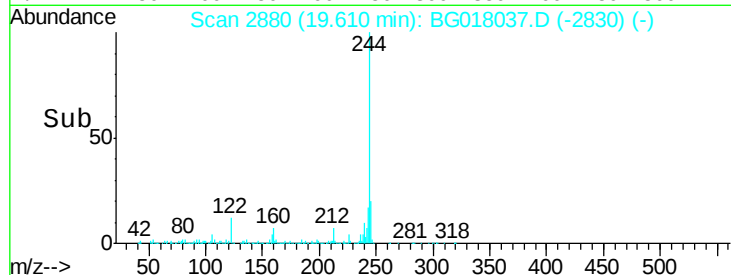
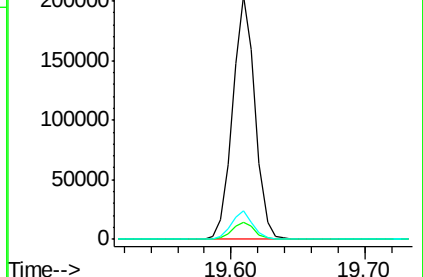
122 11.7 12.8 19.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.31 ng

RT: 21.15 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

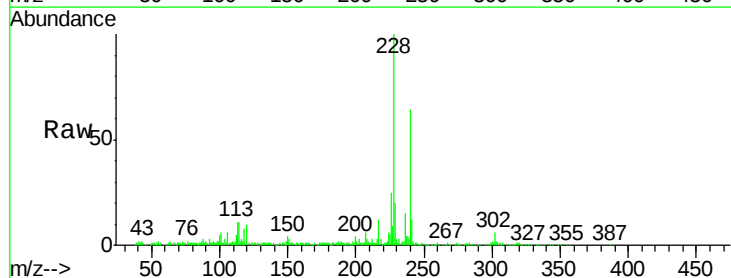
Tgt Ion:228 Resp: 100086

Ion Ratio Lower Upper

228 100

226 25.5 23.1 34.7

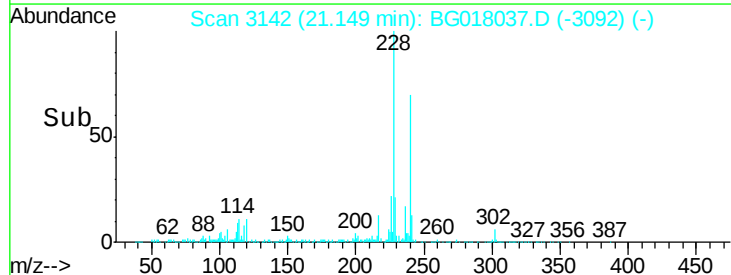
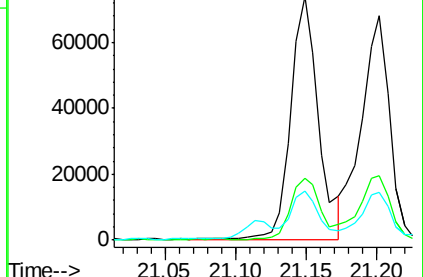
229 20.4 17.4 26.0

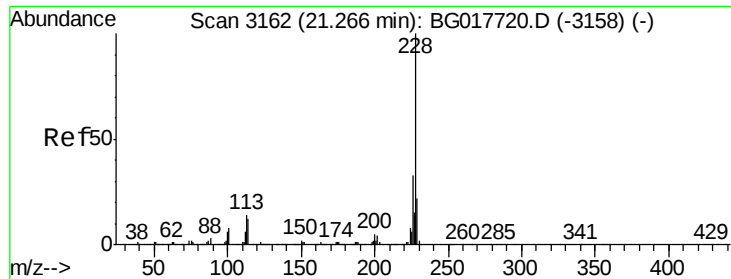


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

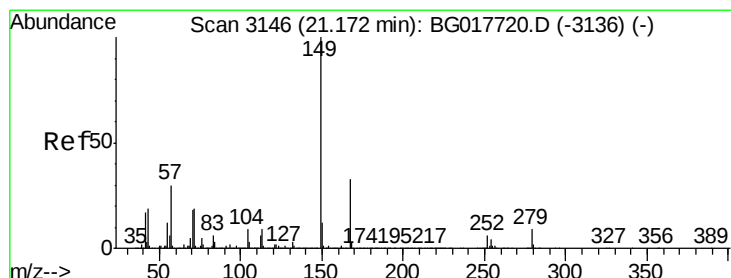
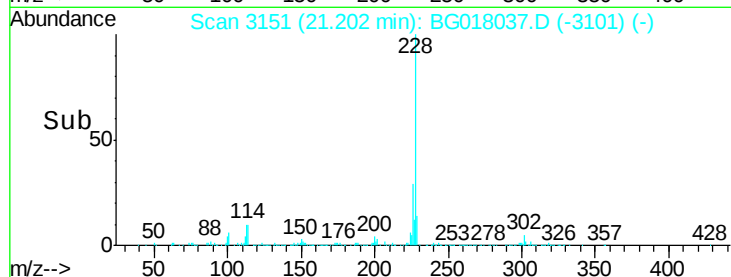
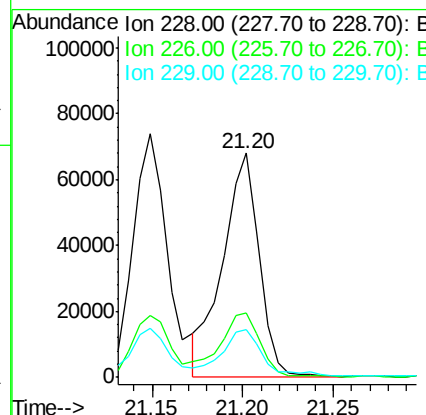
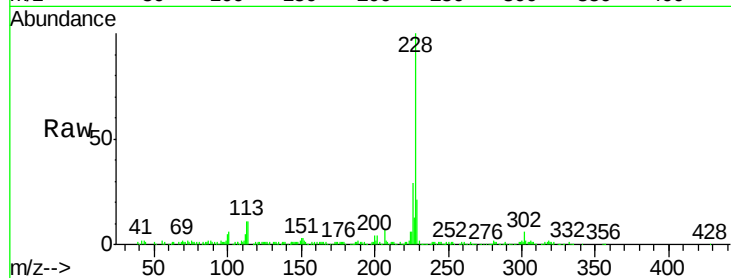




#82
 Chrysene
 Concen: 5.29 ng
 RT: 21.20 min Scan# 3151
 Delta R.T. -0.01 min
 Lab File: BG018037.D
 Acq: 22 Jul 2015 1:20

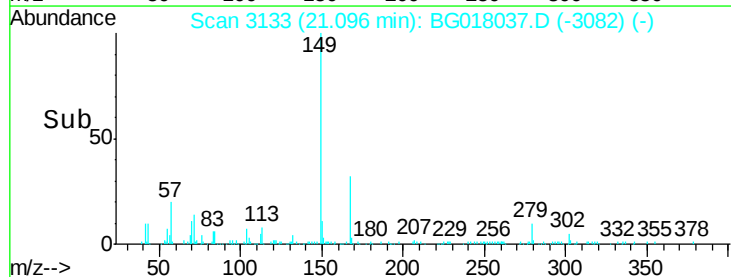
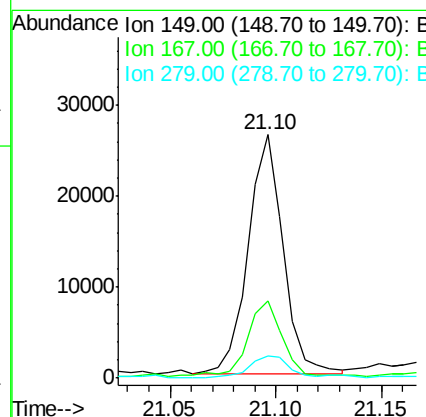
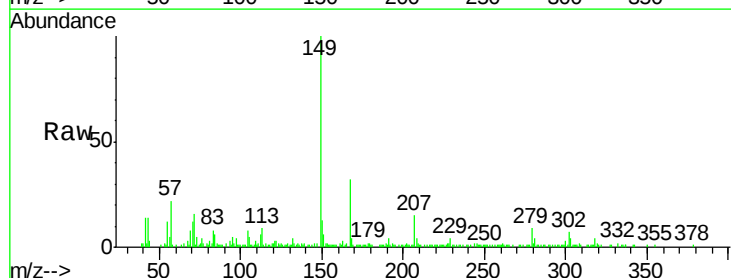
Instrument :
 BNA_G
 ClientSampleId :
 SB-1(3-5)

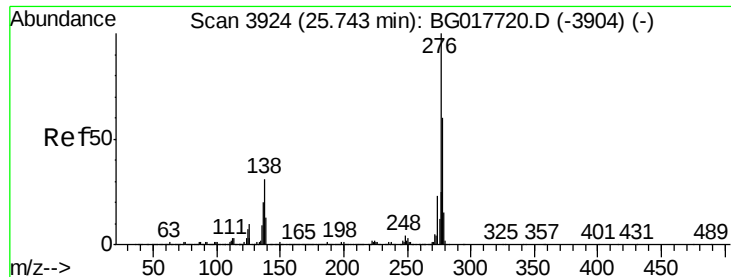
Tgt Ion: 228 Resp: 94921
 Ion Ratio Lower Upper
 228 100
 226 29.0 26.1 39.1
 229 21.2 17.7 26.5



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.47 ng
 RT: 21.10 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: BG018037.D
 Acq: 22 Jul 2015 1:20

Tgt Ion: 149 Resp: 30368
 Ion Ratio Lower Upper
 149 100
 167 31.5 26.6 39.8
 279 9.2 6.9 10.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.46 ng

RT: 25.58 min Scan# 3897

Delta R.T. -0.02 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

Instrument :

BNA_G

ClientSampleId :

SB-1(3-5)

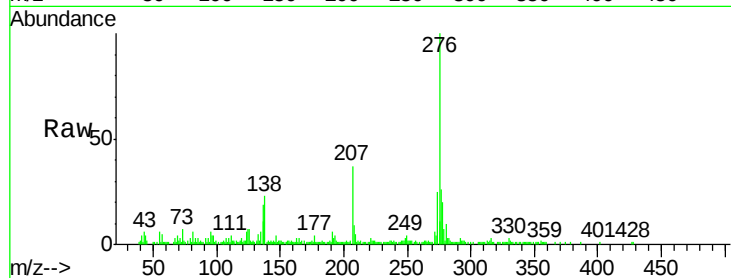
Tgt Ion:276 Resp: 75144

Ion Ratio Lower Upper

276 100

138 23.2 25.4 38.0#

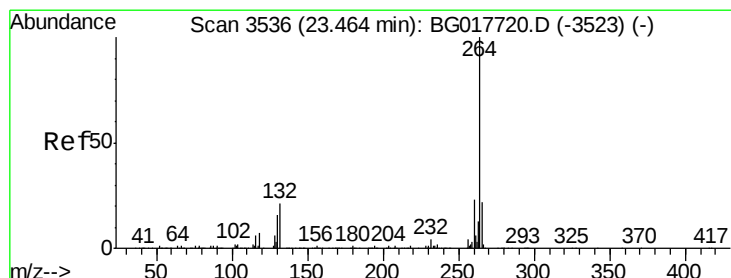
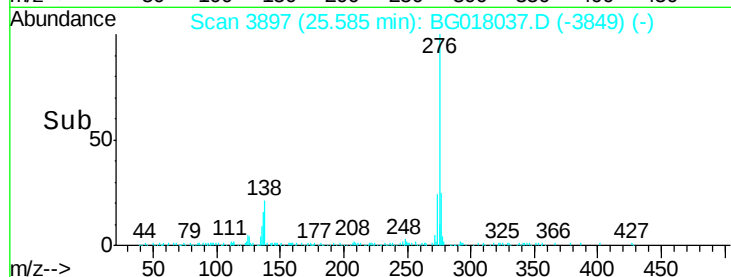
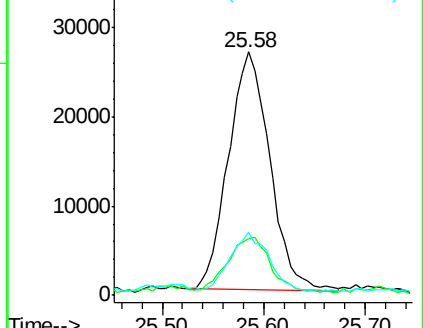
277 23.4 21.0 31.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.36 min Scan# 3519

Delta R.T. -0.01 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

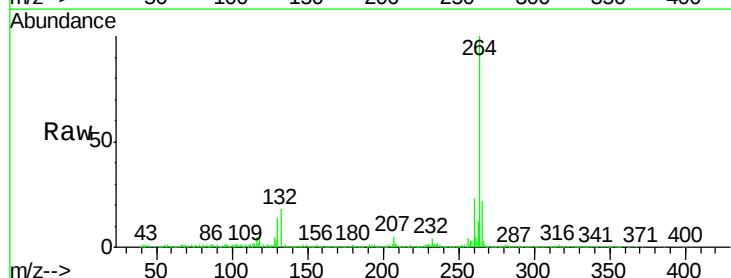
Tgt Ion:264 Resp: 363427

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

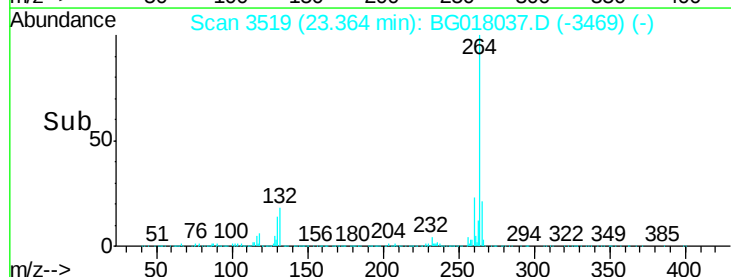
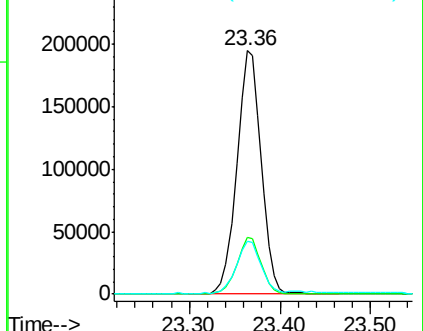
265 21.6 18.2 27.2

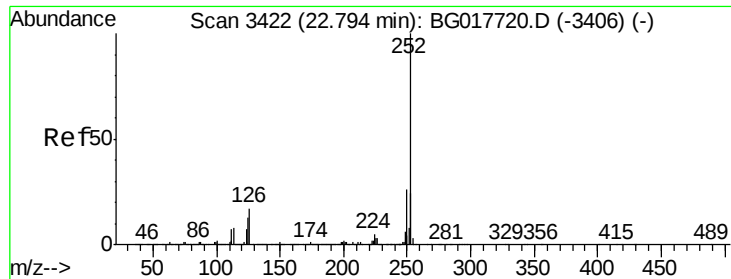


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

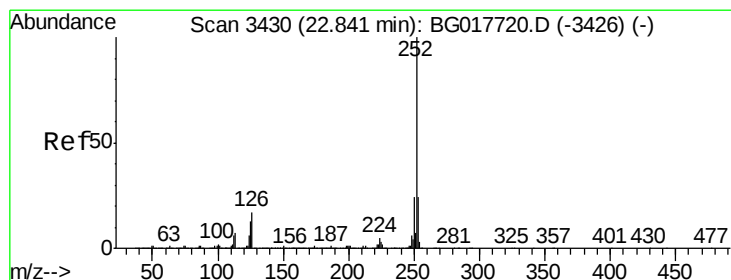
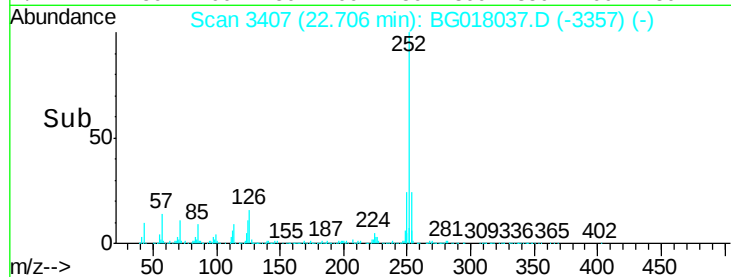
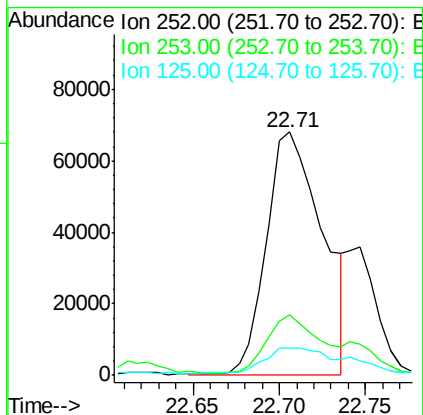
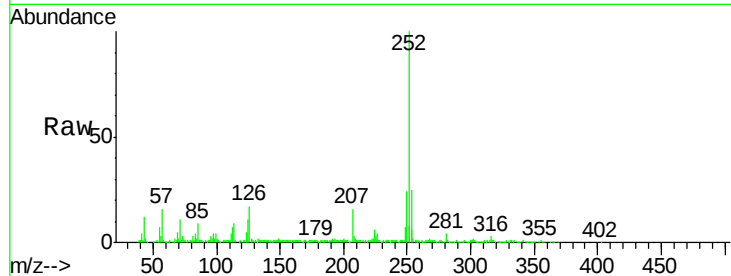




#87
Benzo(b)fluoranthene
Concen: 7.74 ng m
RT: 22.71 min Scan# 3407
Delta R.T. -0.01 min
Lab File: BG018037.D
Acq: 22 Jul 2015 1:20

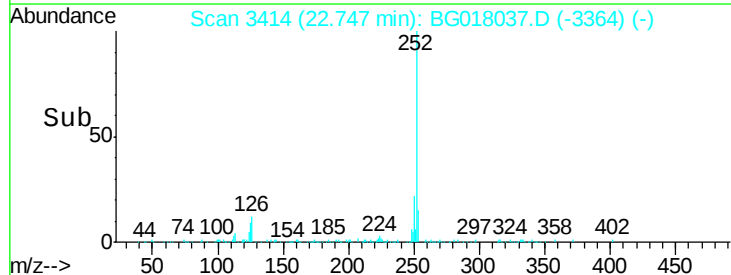
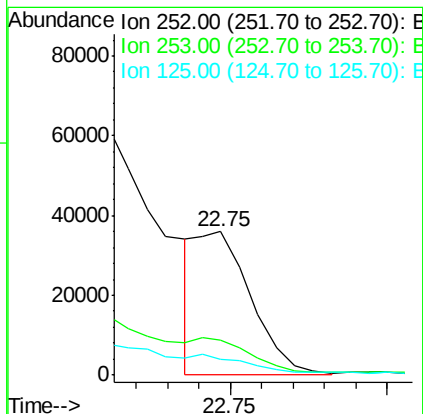
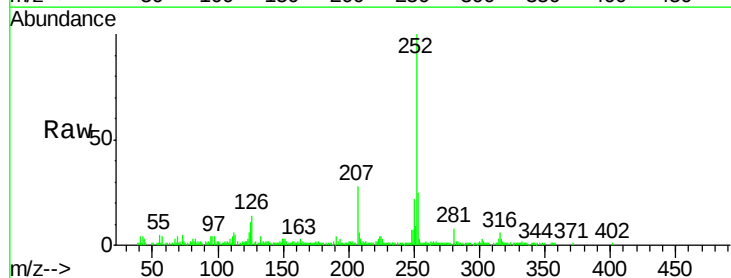
Instrument :
BNA_G
ClientSampleId :
SB-1(3-5)

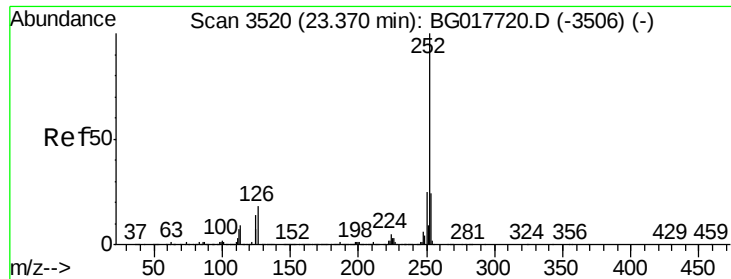
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.7	29.5
125	11.4	10.6	15.8



#88
Benzo(k)fluoranthene
Concen: 2.20 ng m
RT: 22.75 min Scan# 3414
Delta R.T. -0.01 min
Lab File: BG018037.D
Acq: 22 Jul 2015 1:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.0	28.6
125	11.3	10.3	15.5





#89

Benzo(a)pyrene

Concen: 5.36 ng

RT: 23.26 min Scan# 3502

Delta R.T. -0.01 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

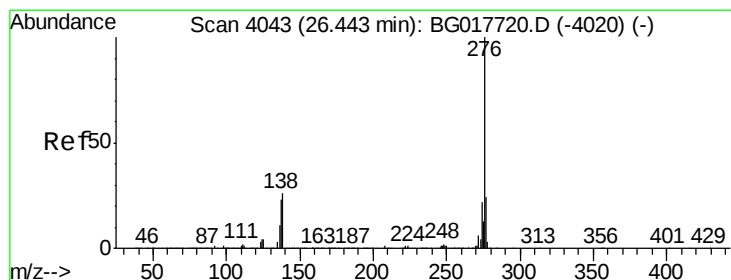
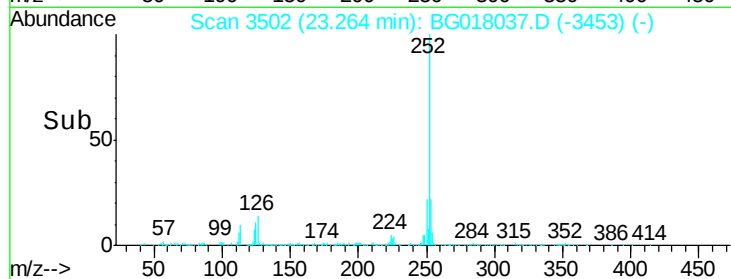
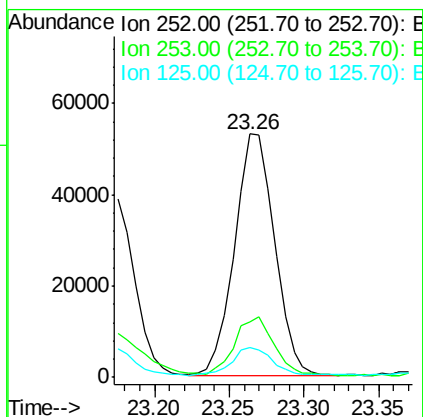
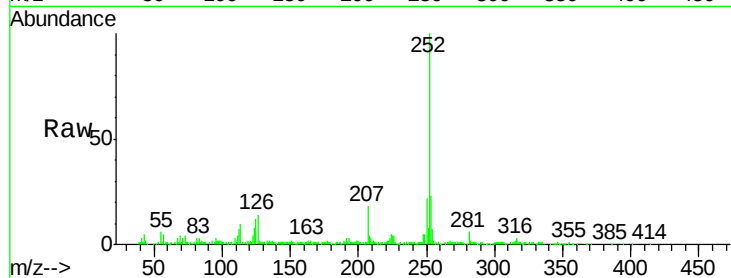
Instrument :

BNA_G

ClientSampleId :

SB-1(3-5)

Tgt Ion:	252	Resp:	99297
Ion Ratio		Lower	Upper
252	100		
253	22.6	19.0	28.6
125	12.4	11.1	16.7



#91

Benzo(g,h,i)perylene

Concen: 3.84 ng

RT: 26.26 min Scan# 4012

Delta R.T. -0.02 min

Lab File: BG018037.D

Acq: 22 Jul 2015 1:20

Tgt Ion:	276	Resp:	71177
Ion Ratio		Lower	Upper
276	100		
277	22.4	18.9	28.3
138	22.1	20.8	31.2

